

HIGHWAY NO I 89 NAME OF HIGHWAY _____
 STRUCTURE NO S-5 B-12 COUNTY Windsor TOWN Sharon
 PROJECT NO I 89-1(7) LOCATION Interstate 89 over Vt. 132
 Cont. 4

- EXISTING STRUCTURE**
- 1 RATED LOADING OF EXISTING STRUCTURE _____
 - 2 TYPE OF EXISTING STRUCTURE _____
 - 3 UNDERCLEARANCE ELEVATION OF EXISTING STRUCTURE _____
 - 4 WHAT DISPOSITION SHOULD BE MADE OF EXISTING STRUCTURE _____ COST OF REMOVAL _____
 - 5 SHOULD EXISTING STRUCTURE BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION OF NEW STRUCTURE _____
 - 6 SHOULD NEW TEMPORARY STRUCTURE BE BUILT _____
 - 7 ORDINARY HIGH WATER SURFACE ELEV. AT EXISTING STRUCTURE _____ WATERWAY TO ORDINARY H.W. _____
 - 8 EXTREME HIGH WATER AT EXISTING STRUCTURE _____
 - 9 SPAN OF EXISTING BRIDGE UPSTREAM _____ WATERWAY TO EXTREME H.W. _____
 - 10 SPAN OF EXISTING BRIDGE DOWNSTREAM _____ WATERWAY TO EXTREME H.W. _____
 - 10 TYPE OF FOUNDATION UNDER EXISTING ABUTMENTS _____
 - 11 DOES ALL WATER AT FLOOD ELEVATION PASS THROUGH EXISTING STRUCTURE _____
 - 12 IF NOT, AT WHAT ELEVATION IS RELIEF AFFORDED _____
 - 13 ADDITIONAL WATERWAY AREA PROVIDED _____
- NEW STRUCTURE**
- 1 RECOMMENDED TYPE OF STRUCTURE Simple spans w/ Beams w/ Concrete Deck
 - 2 RECOMMENDED CLEAR SPAN OR SPANS 44' (Non composite) - 84' (Composite) - 44' (Non composite)
 - 3 MEASURED PARALLEL TO & NEW HIGHWAY 44' - 84' - 44'
 - 4 MEASURED AT RIGHT ANGLES TO & STREAM N.A.
 - 5 ARE THERE OBJECTIONS TO A PIER IN THE STREAM, ANSWER YES OR NO N.A.
 - 6 ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE N.A.
 - 7 EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE N.A. SOURCE OF INFORMATION N.A.
 - 8 IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE? N.A.
 - 9 DOES STREAM REACH ITS MAXIMUM-HIGH WATER ELEVATION RAPIDLY? N.A. IS ORDINARY H.W. ABOVE N. _____
 - 10 LOW WATER ELEVATION AT NEW STRUCTURE N.A.
 - 11 DRAINAGE AREA IN ACRES ABOVE STRUCTURE N.A. CHARACTER OF TERRAIN N.A.
 - 12 IS STREAM EVER DRY? N.A.
 - 13 VELOCITY OF STREAM AT HIGH WATER STAGE N.A. ESTIMATED DISCHARGE N.A.
 - 14 AREA FULL OPENING N.A. AREA BELOW ORDINARY H.W. N.A.
 - 15 CHARACTER OF SCOUR N.A. CRIST N.A. ICE N.A.
 - 16 ESTIMATED DRAINAGE AREA ABOVE NATURAL OR ARTIFICIAL STORAGE N.A.
 - 17 VERTICAL CLEARANCE, ABOVE FLOOD ELEVATION N.A.
 - 18 ARE SIDEWALKS REQUIRED, IF SO, ON WHAT SIDE No
 - 19 RECOMMENDED TYPE OF PAVEMENT 1/2" Concrete & 2" Bituminous
 - 20 TRAFFIC TO BE MAINTAINED UNDER ITEM NO. N.A. ONE OR TWO WAYS _____ PROBABLE COST _____
 - 21 PROBABLE COST OF CLEARING AND GRUBBING STREAM CHANNEL AT STRUCTURE SITE N.A.
 - 22 SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES? No
 - 23 ESTIMATED ALLOWABLE LOAD ON FOUNDATIONS 45 tons/pile SHOULD PILES BE USED? Yes

FOUNDATION INFORMATION

OBTAINED FOR DESIGN PURPOSES ONLY, AND THE STATE ASSUMES NO RESPONSIBILITY WHATSOEVER FOR THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN, SO LONG AS IT IS ENCOUNTERED AT ANY PIER OR ABUTMENT LOCATION.

Note: For details of Superstructure see Std. SCB-3725-65
 For notes regarding design criteria see Std. SCB-DI-65

*** TABLE OF PILE LENGTHS**

LOCATION	BOTTOM OF FOOTING	ESTIMATED LENGTH
Abut #1	493.0	60
Abut #2	498.0	80
Pier #1	481.0	30
Pier #2	481.0	45
Pier #3	482.0	50
Pier #4	481.0	30
Abut #3	498.0	55
Abut #4	498.0	55

Bridge # 15N & 15S
 THIS SHEET IS FOR INFORMATION PURPOSES ONLY
 HARTFORD-SHARON-ROYALTON IM 1R 089-116

STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 I 89 over Vt. 132 IN THE TOWNS OF
 HARTFORD-SHARON
 ROUTE NO I 89 STA 717+0

Recommended for Approval Paul J. [Signature] 3/23/65
 Recommended for Approval R.H. [Signature]
 Approved by A.S. [Signature] Chief Engineer

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